UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/751,903	12/28/2000	Scott Ryder	APLE.P0007	9127

48947	7590	04/07/2006

STATTLER, JOHANSEN, AND ADELI LLP
1875 CENTURY PARK EAST SUITE 1360
CENTURY CITY, CA 90067

EXAMINER
KANG, PAUL H

ART UNIT	PAPER NUMBER ·
2141	

DATE MAILED: 04/07/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☐ Responsive to communication(s) filed on 04 January 2006.

2a)☐ This action is **FINAL**.　　　　2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) 1-24 is/are pending in the application.

　　4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) 1-24 is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on 28 December 2000 is/are: a)☒ accepted or b)☐ objected to by the Examiner.

　　Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

　　Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

　　a)☐ All　b)☐ Some * c)☐ None of:

　　　　1.☐ Certified copies of the priority documents have been received.

　　　　2.☐ Certified copies of the priority documents have been received in Application No. _____.

　　　　3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

　　* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____.

DETAILED ACTION

1.   In light of applicants' arguments presented in the Appeal Brief of January 4, 2006, the

Final Office action is hereby WITHDRAWN. A non-final Office action is set forth below.

Claim Rejections - 35 USC § 103

2.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section
> 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the
> subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill
> in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the
> invention was made.

Claims 1-24 are rejected under 35 U.S.C. 103(a) as being unpatentable over

Abdelnur et al. (US Patent No. 6,212,640 and Abdelnur hereinafter) in view of Mastrianni et

al., US Patent No. 6,615,276 B1.

3.   As per claim(s) 1, 22 and 24 Abdelnur discloses the invention substantially as claimed.

Abdelnur discloses requesting of a first server said mounting of said volumes; returning by said

first server a set of mounting parameters; and automatically mounting said plurality of volumes

utilizing said returned parameters, said parameters, said volumes located remote to said client,

said volumes after mounting behaving as would a volume native to said client, (See Column 5

Lines 61-67 & Column 6 Lines 1-15).

However, Abdelnur does not explicitly teach the method comprising mounting without

receiving a request from a user of said client to mount said plurality of remote volumes. In the

same field of endeavor, Mastrianni teaches a system and method for automatically mapping a

network drive without user input (Mastrianni, col. 7, line 31 – col. 8, line 4).

It would have been obvious to one having ordinary skill in the art at the time the

invention was made to have incorporated the automatic mounting as taught by Mastrianni, into

the mounting system of Abdelnur since automation is desirable to alleviate user's manual

connection requests.

4.   As per claim(s) 2 Abdelnur-Mastrianni teaches the claimed invention as described in

claim(s) 1 above and furthermore discloses authenticating said client by said first server via an

interface to said first server, said client authentication characterized by a login identification

(ID), (See Abdelnur, Column 9 Lines 60-67).

5.   As per claim(s) 3 Abdelnur-Mastrianni teaches the claimed invention as described in

claim(s) 1-2 above and furthermore discloses supplying by the client said login ID and a

password intended for said login ID, (See Abdelnur, Column 9 Lines 60-67).

6.   As per claim(s) 4 Abdelnur-Mastrianni teaches the claimed invention as described in

claim(s) 1-3 above and furthermore discloses comparing said supplied password and said login

ID with a stored password on said first server associated with said login ID; and if said stored

password matches said supplied password for said login ID, then characterizing said client as

successfully authenticated with said login ID; wherein if authentication information is not

retrieved from the server then it is interpreted that the authentication information does not exist,

only if a match occurs, then is the client successfully authenticated, (See Abdelnur, Column 11

Lines 1-11).

7.   As per claim(s) 5 Abdelnur-Mastrianni teaches the claimed invention as described in

claim(s) 1-4 above and furthermore discloses detecting the presence of a cookie on said client,

said cookie indicating by its presence that said client has installed a plug-in module; and if said

cookie is not detected, terminating any said volume mounting, (See Abdelnur, Column 12 Lines

8-25).

8.   As per claim(s) 6 Abdelnur-Mastrianni teaches the claimed invention as described in

claim(s) 1-5 above and furthermore discloses if successfully authenticated, retrieving said

parameters from a profile datastore on said first server, said parameters indexed therein by said

login ID; and assembling a mounting command block, said command block consisting of a

mount command and said retrieved parameters, (See Abdelnur, Column 5 Lines 48-67 &

Column 6 Lines 1-21).

9.   As per claim(s) 7 Abdelnur-Mastrianni teaches the claimed invention as described in

claim(s) 1-6 above and furthermore discloses said requesting is initiated by an event occurring on

said client requiring said mounting, (See Abdelnur, Column 6 Lines 33-59).

10.   As per claim(s) 8 Abdelnur-Mastrianni teaches the claimed invention as described in

claim(s) 1-7 above and furthermore discloses retrieving said parameters from a profile datastore

on said first server, said parameters indexed therein by an identifier for said event; and

assembling a mounting command block, said command block consisting of a mount command

and said retrieved parameters, (See Abdelnur, Column 5 Lines 48-67 & Column 6 Liens 1-21).

11.   As per claim(s) 9 Abdelnur-Mastrianni teaches the claimed invention as described in

claim(s) 1-8 above and furthermore discloses said first server returns said parameters via a plug-

in module installed on said client; wherein a Plug-in can be interpreted as a Java Applet, (See

Abdelnur, Column 5 Lines 5-40).

12.   As per claim(s) 10 Abdelnur-Mastrianni teaches the claimed invention as described in

claim(s) 1-9 above and furthermore discloses obtaining an address for said first server;

comparing said address for said first server against a built-in list of approved servers; and if said

address is not contained on said built-in list, then terminating the process of automatically

mounting; wherein obtaining an address is inherent in that when a selection is made for a certain

NFS server the only way to obtain that specific server is by an address of some sort, and if an

address does not exist then no mounting occurs as a result of not finding a server specific to the

address obtained, (See Abdelnur, Column 7 Lines 47-63 & Column 8 Lines 36-52).

13.   As per claim(s) 11 Abdelnur-Mastrianni teaches the claimed invention as described in

claim(s) 1-10 above and furthermore discloses passing of said parameters by said plug-in to an

application programming interface (API) of said client; and completing the mounting of said

volume by said API, said mounting achieved absent of user intervention, (See Column 6 Lines 15-40).

14.   As per claim(s) 12 Abdelnur-Mastrianni teaches the claimed invention as described in claim(s) 1-11 above and furthermore discloses said remote interface is an Hypertext Transport Protocol capable browser, (See Abdelnur, Column 5 Lines 5-16).

15.   As per claim(s) 13 Abdelnur-Mastrianni teaches the claimed invention as described in claim(s) 1-12 above and furthermore discloses said parameters include, for each of said volumes, a volume name, a server alias, (See Abdelnur, Column 7 Lines 1-15) a volume username and volume password, (See Column 9 Lines 60-67).

16.   As per claim(s) 14 Abdelnur-Mastrianni teaches the claimed invention as described in claim(s) 1-13 above and furthermore discloses said server alias is resolved to an address of a second server, said second server housing the volume identified by the corresponding said volume name; wherein the second server satisfies the request, (See Abdelnur, Column 8 Lines 53-67).

17.   As per claim(s) 15 Abdelnur-Mastrianni teaches the claimed invention as described in claim(s) 1-14 above and furthermore discloses said address of said second server is an Internet Protocol (IP) address; wherein all servers connected to some network comprise of an IP address, (See Abdelnur, Column 7 Lines 36-46).

18.   As per claim(s) 16 Abdelnur-Mastrianni teaches the claimed invention as described in claim(s) 1-15 above and furthermore discloses looking up said server alias in a mapping table (i.e., mounting table); and retrieving from said look up said address (i.e., path name) of said server from said mapping table.

19.   As per claim(s) 17 Abdelnur-Mastrianni teaches the claimed invention as described in claim(s) 1-16 above and furthermore discloses said mounting command block is contained in an extensible markup language (XML) document, (See Abdelnur, Column 10 Lines 25-40).

20.   As per claim(s) 18 Abdelnur-Mastrianni teaches the claimed invention as described in claim(s) 1-17 above and furthermore discloses said mounting command block is contained in an extensible markup language (XML) document, (See Abdelnur, Column 10 Lines 25-40).

21.   As per claim(s) 19 Abdelnur-Mastrianni discloses a client configured to request said mounting; and a server coupled to said client said server configured to return a mounting command block to said client, (See Abdelnur, Column 5 Lines 61-67 & Column 6 Lines 1-15).

22.   As per claim(s) 20 Abdelnur-Mastrianni teaches the claimed invention as described in claim(s) 19 above and furthermore discloses A system according to claim 19 further comprising: a plug-in (i.e., Java Applet) installed in said client, said plug-in (i.e., Java Applet) configured to approve the address of said server, (See Abdelnur, Column 5 Lines 5-40).

23.   As per claim(s) 21 Abdelnur-Mastrianni teaches the claimed invention as described in

claim(s) 19-20 above and furthermore discloses an application programming interface (API)

coupled to said plug-in and configured to automatically mount said volumes specified in said

mounting command block, said mounting performed without the need for user intervention, (See

Abdelnur, Column 6 Lines 16-40).

24.   As per claim(s) 23 Abdelnur-Mastrianni discloses a plug-in module configured to receive

from a server a mounting command block, said mounting command block to include volume

mounting parameters, (See Abdelnur, Column 5 Lines 5-40); and an application programming

interface coupled to said plug-in and configured to automatically mount said volumes specified

in said mounting command block, said mounting performed without the need for user

intervention, (See Abdelnur, Column 6 Lines 16-40).

Response to Arguments

Applicant's arguments with respect to claims 1-24 have been considered but are moot in

view of the new ground(s) of rejection. The applicant argued in substance that the prior art of

record failed to teach automatic mounting without manual user request. The new grounds of
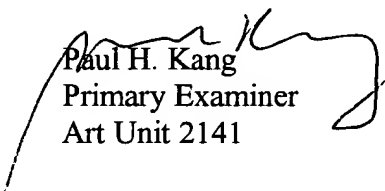
rejection teaches this feature.

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Paul H Kang whose telephone number is (571) 272-3882. The

examiner can normally be reached on 9 hour flex. First Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Rupal Dharia can be reached on (571) 272-3880. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Paul H. Kang
Primary Examiner
Art Unit 2141